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St., where every facility is offered for the meetings of the divisions in the center of Milwaukee's business section.

Mr. C. H. Hall is chairman of the local committee and Mr. P. J. Weber, secretary. The finance committee is under the chairmanship of Mr. G. N. Prentiss. Reception, registration and information committees are under the chairmanship of Mr. E. V. Manuel. The committee on arrangement has Mr. H. W. Rohde as its chairman, Mr. F. E. Layman is chairman of the entertainment committee, and Mr. C. R. McKee is chairman of the committee on entertainment of ladies.

The entertainment committee is planning an interesting program, which will be an undoubted success, and special attention is being paid to preparations for the entertainment of ladies at such times as they can not participate in the regular program. Many manufacturing plants will be visited, and although no definite arrangements can be announced in the present circular, it may be stated that Milwaukee contains important works covering the tanning industry, manufacture of iron and steel, by-product coke and gas, manufacture of glue, manufacture of automobiles and automobile parts, automobile tires, packing industry, manufacture of refrigerating machinery, gasoline engines, kerosene engines, and shops of railroad companies, most of which will be open to the members.

All the divisions will meet. It is probable that the Biological Division will be duly organized at this meeting. Members are especially asked to note the excursion to Madison, Wisconsin, on Friday, March 28. The Society has a special invitation from President Van Hise, of the University of Wisconsin, and it is hoped that all those who attend the meeting will also go to Madison. The city is but seventy miles from Milwaukee and is of special interest, being the seat of the state capitol, the University of Wisconsin, the United States Forest Products Laboratory, and the location of a large beet-sugar refining plant, which, if present information is correct, will be in operation at the time of the convention.

All papers for the meeting must be in the

secretary's hands on or before March 7 or in the hands of secretaries of divisions by March 5, in order to be on the program. By vote of the council no papers can be presented at the meeting that are not printed on the final program.

The following are the addresses of the divisional and sectional secretaries:

Industrial Division—M. C. Whitaker (*pro tem.*), Columbia University, New York City.

Physical and Inorganic—R. C. Wells, U. S. Geological Survey, Washington, D. C.

Fertilizer—J. E. Breckenridge, Carteret, N. J.  
Agricultural and Food—G. F. Mason, care of Heinz Company, Pittsburgh, Pa.

Organic—Wm. J. Hale, University of Michigan, Ann Arbor, Mich.

Pharmaceutical—Frank R. Eldred, 3325 Kenwood Ave., Indianapolis, Ind.

Rubber—Dorris Whipple, care of The Safety Insulated Wire and Cable Company, Bayonne, N. J.

Biological—I. K. Phelps, Bureau of Mines, 40th and Butler Sts., Pittsburgh, Pa.

Chemical Education—J. F. Norris, Simmons College, Boston, Mass.

#### SCIENTIFIC NOTES AND NEWS

SIR DAVID GILL has been elected the first honorary member of the Astronomical and Astrophysical Society of America.

SIR WILLIAM TILDEN, F.R.S., the British chemist, has been elected a corresponding member of the Imperial Academy of Sciences, St. Petersburg.

THE gold medal of the Royal Astronomical Society has been awarded to M. Henri Alexandre Deslandres for his investigations of solar phenomena and other spectroscopic work.

THE Langley medals of the Smithsonian Institution are to be conferred on M. Gustav Eiffel, the French engineer, and Mr. Glenn H. Curtiss, known for his development of the hydro-aeroplane.

MR. F. W. HODGE, of the Bureau of American Ethnology, Smithsonian Institution, has been elected a corresponding member of the Société des Américanistes de Paris.

PROFESSOR POULTON, F.R.S., Professor Bourne, F.R.S., and Mr. E. S. Goodrich,

F.R.S., have been appointed to represent Oxford University at the International Congress of Zoology, to be held this year at Monaco.

PROFESSOR A. KEITH has been elected president of the Royal Anthropological Institute of Great Britain and Ireland.

DR. E. B. ROSA, of the Bureau of Standards, gave the address of the retiring president before the Philosophical Society of Washington on February 15. His subject was "The Function of Research and the Regulation of National Monopolies."

PROFESSOR CHARLES LAPWORTH has expressed the desire to vacate the chair of geology in Birmingham University at the end of the current session.

*The Chemist and Druggist*, London, reports the appointment, by the Pharmaceutical Chemistry Section of the Eighth International Congress of Applied Chemistry, of an international commission to continue the inquiry on "Variation in the activity of certain toxic drugs" and to report at St. Petersburg in 1915. The commission named is as follows: Austria, Professor Wilhelm Mitlacher; France, Professor E. Bourquelot; Germany, Professor H. Thoms; Great Britain, Francis Ransom, F.C.S.; Netherlands, Professor L. van Itallie; Switzerland, Professor A. Tscheich; United States, Dr. Rodney H. True. Three secretaries for the commission were also appointed: European Continent, George P. Forrester, F.C.S.; Great Britain, Peter MacEnau, F.C.S.; United States, Otto Raubenheimer.

PROFESSOR H. LOUIS JACKSON, B.S. (Mass. Inst., '05), who has held the position as assistant professor of chemistry in charge of foods at the University of Kansas since 1907, has accepted the position of state chemist of Idaho. He will go at once to Boise, where the laboratory is located.

FRANZ SCHNEIDER, JR., '09, instructor at the Massachusetts Institute of Technology, has accepted the position of sanitary expert to the department of surveys and exhibits, Russel Sage Foundation. For the lecture work that has been carried on by Mr. Schneider, W. C.

Purdy, professor of biology at Geneva College, has been called and will be named assistant in biology.

THE Peruvian government has officially designated Mr. Charles H. T. Townsend director of entomological stations in addition to his title of government entomologist, extending his contract to December 31, 1913. A central station of agricultural entomology is already established in temporary quarters at Lima, for the general investigation of insect plagues of agriculture in the central coast region. It is intended to maintain the branch station of agricultural entomology in the department of Piura, for continuing the investigation of cotton insects and their enemies. A station of medical entomology has been established at Chosica, where an investigation of the blood-sucking arthropods of the verruga zones has already been started to determine what species may be the carrier of verruga fever. Mr. E. W. Rust has been transferred from Piura to Lima, and Mr. J. G. Cateriano has been added to the force. Several graduates from the School of Agriculture will be trained in agricultural entomology, and a graduate or two from the School of Medicine will be trained in medical entomology at Chosica.

THE Museum of Zoology, University of Michigan, will send a second expedition to Whitefish Point, Chippewa County, Michigan, in the summer of 1913, to continue the work started in that region in 1912. The 1913 work, like that of 1912, will be supported by Hon. George Shiras, and the results will be published under the same general title "Results of the Shiras Expeditions to the Whitefish Point Region, Michigan."

PROFESSOR C. E. MCCLUNG, of the University of Pennsylvania, lectured before the Society of the Sigma Xi of that university on February 7, his subject being "Sex Determination."

THE first lecture of the year before the Ohio State University Chapter of Sigma Xi Society was given by Dr. A. W. Gilbert, Cornell University, on the topic "The Method and Scope of Genetics." The officers of the Ohio State

University Chapter of the Sigma Xi Society this year are Dean David S. White of the College of Veterinary Medicine, president; J. S. Hine, associate professor of biology, vice-president; F. C. Blake, professor of physics, treasurer, and James R. Withrow, professor of industrial chemistry, secretary.

PROFESSOR A. M. TOZZER, of Harvard University, during the mid-year period, gave lectures before the various societies of the Archaeological Institute of America in the following places: St. John, Halifax, Quebec, Montreal, Ottawa, Toronto, Hamilton, Buffalo, Rochester, Auburn and Syracuse.

ON February 7, Professor Edward L. Thorndike, of Teachers College, Columbia University, delivered in the afternoon a lecture on "Social Instincts" before the department of psychology of the John Hopkins University; and, in the evening he addressed the Educational Society of Baltimore on "Retardation and Elimination in High School."

PROFESSOR J. S. PRAY, chairman of the department of landscape gardening of Harvard University, gave recently two lectures at the University of Illinois on the subjects "Functional City Planning" and "Gardens Old and New."

MONSIEUR J. M. F. DE PULLIGNY, ingénieur en chef des ponts et chaussées, et directeur, Mission Française d'Ingénieurs aux États-Unis, New York City, on February 11, delivered an illustrated lecture on "The Public Service of Roads in France," before the graduate students in highway engineering at Columbia University.

ON February 4 Professor G. H. Parker lectured before the Vassar Brothers' Institute, Poughkeepsie, N. Y., on "The Evolution of the Nervous System."

THE Alumni Association of the Michigan College of Mines has published its January number of *The M. C. M. Alumnus*, which is a memorial to Professor George A. Koenig, head of the department of chemistry, who died in Philadelphia on January 14. The number contains a full-page engraving from a late

photograph, a biography and the addresses of the memorial service.

PROFESSOR JULIUS FRANZ, director of the astronomical observatory at Breslau, has died at the age of sixty-five years.

DR. G. DE LAVAL, the well-known Swedish engineer and inventor, has died at the age of sixty-seven years.

THE Civil Service Commission invites attention to the regular spring examinations for scientific assistant, Department of Agriculture, to be held April 9 and 10. The entrance salaries are from \$1,000 to \$1,800. Examinations will be given in the following subjects: agronomy, dairying, entomology, farm economics, farm equipment, forage crops, general farm management, horticulture, library science, nutrition and calorimetry, plant breeding, plant pathology, pomology, seed testing, soil bacteriology, soil chemistry, soil surveying. An examination will be held on March 10 for senior highway engineer, to fill vacancies as they may occur in this position in the office of public roads, Department of Agriculture, at salaries ranging from \$2,000 to \$2,400 a year.

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#### UNIVERSITY AND EDUCATIONAL NEWS

THE sum of \$75,000 has been subscribed and given to Vassar College to endow a chair of physical science.

IN a recent issue of SCIENCE, mention was made of the bequests of Levi N. Stewart, of Minneapolis, to Dartmouth, Bowdoin and Bates Colleges. In addition Mr. Stewart bequeathed \$75,000 to Colby College.

MR. DAN R. HANNA, proprietor of the Cleveland *Leader and News*, has offered to the Western Reserve University ten thousand dollars a year for establishing a School of Journalism. The school will be coordinated with the other professional schools of the university, and will be its ninth department. Adelbert College, the college of arts and sciences for men, is the oldest department. It was founded as Western